



# **Verification Report**

#### **Verification Opinion**

Verified as Satisfactory

vermea as se	initiation y
Based on the	• The GHG data and emissions inventory provided in the report is materially
nrocess and	correct and represents a fair and halanced depiction of emissions across Scope

process and procedures conducted, the GHG statement contained in the GHG Report produced by Ardentec Singapore Pte Ltd

- The GHG data and emissions inventory provided in the report is materially correct and represents a fair and balanced depiction of emissions across Scope 1, Scope 2, and Scope 3 categories.
- Emission sources, activity data, and calculation methodologies align with industry-accepted GHG accounting standards and reporting protocols, ensuring accuracy, completeness, consistency, and transparency in the quantification process.
- Has been prepared in accordance with ISO14064-1:2018 and its principles

The ASGP 2024 GHG Inventory Report R1 (Prepared Date: 6 March 2025) has been developed and documented in strict alignment with:

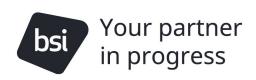
- The Ardentec Singapore Pte Ltd GHG Inventory Management System Manual, which defines internal governance, data collection, monitoring, and emissions reporting processes.
- The Ardentec Greenhouse Gas Verification Committee, which has reviewed, assessed, and internally assured the data presented in the inventory, ensuring it meets internal and external reporting expectations.

The methodologies applied for calculating Scope 1, Scope 2, and Scope 3 emissions are consistent with previous reporting cycles, ensuring comparability across years. All documented emissions calculations, particularly from transportation and supply chain activities, are within the acceptable materiality threshold of 5%, ensuring no material misstatements. Emission factors applied are aligned with internationally recognized sources, ensuring consistency in reporting and benchmarking.

The following improvements were raised in relation to future reporting

- The Y2025 verification process shall incorporate change management updates, including adjustments to GHG-related SOPs, emission source categorization, and emission factor methodologies to enhance reporting consistency and verification alignment.
- All excluded emission sources must be clearly documented in the GHG Inventory Report, with justifications and supporting evidence (Appendix) in the SOP to enhance transparency, audit readiness, and ISO 14064-1 compliance.
- As noted, in Y2025, Ardentec will implement SBTi (Science-Based Targets initiative) across Taiwan, China, and Singapore, introducing an emission factor and location-based methodology with enhanced Scope 3 disclosure requirements. The SOP must be updated to integrate new data collection standards, strengthen verification processes, and ensure data integrity.

Lead Verifier Dr. Li Yuanzhe
Independent
Reviewer Le Huy Thanh



Signed on behalf of BSI	Emmanuel Herve Managing Director, ASEAN
Issue Date	20/03/2025
PCI Cingaporo 77	Pohincan Road #29.02 Pohincan 77 Cingapore C069906

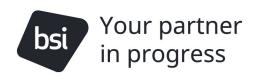
BSI Singapore, 77 Robinson Road, #28-03, Robinson 77 Singapore S068896

NOTE: BSI Singapore is independent to and has no financial interest in Ardentec Singapore Pte Ltd. This 3<sup>rd</sup> party Verification Opinion has been prepared for Ardentec Singapore Pte Ltd only for the purposes of verifying its statement relating to its GHG emissions more particularly described in the scope above. It was not prepared for any other purpose. In making this Statement, BSI Singapore has assumed that all information provided to it by Ardentec Singapore Pte Ltd is true, accurate and complete. BSI Singapore accepts no liability to any third party who places reliance on this statement.

#### CFV 778192 20032025

## **Verification Engagement**

Organization	Ardentec Singapore Pte Ltd		
Responsible party	Ardentec Singapore Pte Ltd		
	Address: 12 Woodlands loop #01-04, #02-00, #03-01-03-04 Singapore 738283		
Verification	The objective of this verification is to express an independent opinion on		
Objectives	whether the GHG Statement, which is historical in nature, meets the following criteria:		
	<ul> <li>Accuracy &amp; Materiality: The reported emissions are materially correct and provide a fair representation of the organization's GHG data and information.</li> <li>ISO 14064-1:2018 Compliance: The report is prepared in accordance with ISO 14064-1:2018, ensuring alignment with GHG inventory principles and industry standards.</li> <li>Internal Governance &amp; Reporting Integrity: The ASGP 2024 GHG Inventory Report R1 (6 March 2025) has been developed and assured by the Ardentec Greenhouse Gas Verification Committee, ensuring internal data validation before verification by BSI.</li> </ul>		
Materiality Level	5 %		
Level of	Reasonable		
Assurance			
Verification evidence gathering	The verification was conducted in accordance with ISO 14064-1:2018 and included the following activities:  1. Evaluation of Monitoring & Control Systems		
procedures	<ul> <li>Interviews, observations, and inquiries with relevant personnel.</li> <li>Review of GHG Inventory Management processes to ensure data accuracy and completeness.</li> <li>Verification of Default Values &amp; Emission Factors</li> </ul>		
	Cross-referencing default emission factors with publicly available IPCC AR6, EMA, and industry standards.		
	<ul> <li>Verification of location-based and market-based Scope 2 methodologies.</li> <li>Data Sampling &amp; Reconciliation</li> </ul>		
	<ul> <li>Recalculation and traceability checks for monitored and calculated data.</li> <li>Sampling-based verification of fuel consumption, electricity usage transportation data, and supplier emissions reports.</li> </ul>		

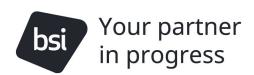


	Cross-checking invoices, utility bills, HR commuting data, and supplier		
	emission factors to confirm consistency.		
Verification	The verification was carried out in accordance with ISO 14064-1:2018.		
Standards			

Note: Ardentec Singapore Pte Ltd is responsible for the preparation and fair presentation of the GHG statement and report in accordance with the agreed criteria. BSI is responsible for expressing an opinion on the GHG statement based on the verification.

# **Organizational GHG Statement**

Organization  Organizations GHG Report containing GHG Statement		Organization Name: Ardentec Singapore Pte Ltd Registered Address: 12 Woodlands Loop #01-04, #02-00, #03-01-04, Singapore 738283  ASGP 2024 GHG Inventory Report R1 (Prepared Date: 6 March 2025) presents Ardentec Singapore Pte Ltd's GHG inventory, emissions, and removals, aligned with ISO 14064-1:2018. The report quantifies and documents GHG emissions across Scopes 1, 2, and 3, ensuring transparency, accuracy, and compliance with international standards by the Ardentec Greenhouse Gas Verification Committee	
	nal Boundary	Operational Control	
Scope of ac	ivities:		151
Reporting Boundary:	Direct GHG Emissions (Scope 1)	All Business Units	Direct GHG emission source  Stationary combustion (Diesel oil for backup generators)  Fugitive emissions (Refrigerant leakage from air conditioning and refrigeration units)  Fugitive emissions (Septic tanks)
	Indirect GHG Emissions from imported energy (Scope 2)	Business Units All Business Units	Indirect GHG emission source Purchased electricity
	Indirect GHG Emissions		
	<ul> <li>from (Scope 3):</li> <li>Category 3 - Indirect GHG Emissions from Transportation</li> <li>Category 4 - Indirect GHG Emissions from Products Used by an Organization</li> </ul>	All Business Units	Indirect GHG emission source Employee commuting Energy-related activities not included in direct emissions and energy indirect emissions
<b>Boundary:</b>	<ul> <li>Category 3 - Indirect GHG Emissions from Transportation</li> <li>Category 4 - Indirect GHG Emissions from Products Used by an</li> </ul>	Ardentec Singapore for Categories 5 and which occur from organisational bou	Employee commuting Energy-related activities not included in direct emissions and energy indirect emissions  Pte Ltd excludes the GHG emissions 6 as defined under ISO14064-1:2018 1 sources located outside of its indaries based on evaluation of findirect GHG emission sources and



	<ul> <li>Operational Control Approach: Ardentec Singapore Pte Ltd reports all emissions sources under its direct operational control, aligning with ISO 14064-1:2018.</li> <li>Emission Quantification Methods: (a) Direct measurement and fuel usage tracking (Scope 1); (b) Metered electricity data and grid emission factors (Scope 2); (c) Standardized calculation methodologies for Scope 3, using supplier data, employee surveys, and transportation activity data.</li> <li>Emission Factors &amp; Sources: Emission factors are sourced from: IPCC AR6 Guidelines; Singapore Energy Market Authority (EMA) for electricity; Industry-recognized transportation emission factors</li> <li>Materiality Threshold: A 5% materiality level has been applied to ensure accuracy and completeness of reported data.</li> </ul>
Reporting Period	1 January – 31 December 2024

### **Table of GHG Emissions**

Location	Location Based (Operational Boundary)				
Year 2024	/ tCO <sub>2</sub> (e)	/ %			
Direct GHG Emissions (Scope 1)	19.16	0.31			
Direct Removals (Scope 1)	ТВС	N/A			
Indirect GHG Emissions from imported energy (Scope 2)	5,338.56	86.56			
Indirect GHG Emissions from (Scope 3)	809.86	13.13			
Total	6,167.58	100 %			
CERs offset	1210				
RECs offset	387.28				
Residual emissions	4570.30				